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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/496,318	02/01/2000	Ye Gu	3382-53698	6047

7590

01/24/2003

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EXAMINER

PRIETO, BEATRIZ

ART UNIT

PAPER NUMBER

2142

DATE MAILED: 01/24/2003

11

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/496,318

Applicant(s)

GU ET AL.

Examiner

B. Prieto

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-24 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. §121:

I. Claims 1-2, is drawn to dynamically self-bootstrapping a computing device for peer networking.

II. Claims 3-17, are drawn to a process for automatically introducing a computing device into an ad hoc network of other computing devices, the process having an address phase, an announce phase, a discovery phase, a discovery response phase, and a device description phase.

III. Claims 18-24, dynamically self-bootstrapping computing device on an adhoc network.

The inventions are distinct, each from the other because of the following reasons: Inventions II-IV and I are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable.

In the instant case, invention II (claims 3-¹⁷~~24~~) has separate utility such as it is usable in a method for automatically introducing a computing device into an ad hoc network of other computing devices, the process having an address phase, an announce phase, a discovery phase, a discovery response phase, and a device description phase. Invention II contains a selecting, sending a multi-cast message, listening, specifying, sending a response message and responding claim processes and corresponding features. These processes and phases are not required by Invention I (i.e. claims 1-2), and therefore require another distinct and different search.

Further, in the case of Invention III (i.e. claims 18-24) has separate utility such as it is usable for dynamically self-bootstrapping computing device on an adhoc network. Invention III contains self-assigning an address for the computing device on an ad hoc network by selecting an address from a reserved range of addresses, multi-casting an announcement message on a multi-cast communications channel of the ad hoc network informing of the computing device's assigned address; description means responsive to a description request received by the computing device on the ad hoc network for sending a description message defining interaction via data messaging with the computing device to remotely operate the computing device over the ad hoc network, not required for invention II, and therefore requiring another distinct and different search. See MPEP 806.05(d).

2. Because these inventions are distinct for the reasons given above and because the search required for each group is different and not co-extensive for examination purpose because these groups would require different searches e.g. a) the Group I search (1-2) would require use of search which would not

required for the Groups II-III); b) the Group II search (claims 3-17) would require use of search which would not be required for the Groups I and III), therefore the restriction for examination purposes as indicated is proper.

3. Restriction is required under 35 U.S.C. §121 to one of the above-identified patentably distinct groups of designs. A reply to this requirement must include an election of a single group for prosecution on the merits, even if this requirement is traversed, 37 CFR 1.143. Any reply that does not include election of a single group will be held non-responsive. Applicant is also requested to direct cancellation of all drawing figures and the corresponding descriptions, which are directed to the non-elected.

4. Should applicant traverse this requirement on the grounds that the groups are not patentably distinct, applicant should present evidence or identify such evidence now of record showing the groups to be obvious variations of one another. If the groups are determined not to be patentably distinct and they remain in this application, any rejection of one group over prior art will apply equally to all other embodiments. See Ex parte Appeal No. 315-40, 152 USPQ 71 (Bd. App. 1965). No argument asserting patentability based on the differences between the groups will be considered once the groups have been determined to comprise a single inventive concept.

5. In view of the above requirement, action on the merits is deferred pending compliance with the requirement in accordance with Ex parte Heckman, 135 USPQ 229 (P.O. Super. Exam. 1960).

Application/Control Number: 09/496,318 (GU et. al.)

Art Unit: 2142

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prieto, B. whose telephone number is (703) 305-0750. The Examiner can normally be reached on Monday-Friday from 6:00 to 3:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, Mark R. Powell can be reached on (703) 305-9703. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-6606. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3800/4700.

Any response to this action should be mailed to:
Commissioner of Patents and Trademarks
Washington, D.C. 20231

or Faxed to:

(703) 746-7239, for Official communications and entry


Or:

(703) 746-7240, for Non-Official or draft communications, please label
"PROPOSED" or "DRAFT".

Or Telephone:

(703) 306-5631 for TC 2100 Customer Service Office.

Hand-delivered responses should be brought to Crystal Park II,
2121 Crystal Drive, Arlington, VA., Fourth Floor (Receptionist), further ensuring that a receipt is
provided stamped "TC 2100".


B. Prieto
GAU 2142/TC 2100
Patent Examiner
January 16, 2003


MARK POWELL
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100